

### **INPUT SET: S8513.raw**

**This Raw Listing contains the General Information Section and up to the first 5 pages.**

## **SEQUENCE LISTING**

3 (1) General Information:  
4 (i) APPLICANT: GREENE, ET AL.  
5  
6 (ii) TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor  
7  
8 (iii) NUMBER OF SEQUENCES: 9  
9  
10 (iv) CORRESPONDENCE ADDRESS:  
11  
12 (A) ADDRESSEE: CARELLA, BYRNE, BAIN, GILFILLAN,  
13 CECCHI, STEWART & OLSTEIN  
14 (B) STREET: 6 BECKER FARM ROAD  
15 (C) CITY: ROSELAND  
16 (D) STATE: NEW JERSEY  
17 (E) COUNTRY: USA  
18 (F) ZIP: 07068  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: 3.5 INCH DISKETTE  
22 (B) COMPUTER: IBM PS/2  
23 (C) OPERATING SYSTEM: MS-DOS  
24 (D) SOFTWARE: WORD PERFECT 5.1  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: 08/469,637  
28 (B) FILING DATE: June 6, 1995  
29 (C) CLASSIFICATION:  
30  
31 (vii) PRIOR APPLICATION DATA  
32 (A) APPLICATION NUMBER: PCT/US95/03216  
33 (B) FILING DATE: 15 MAR 95  
34  
35  
36 (viii) ATTORNEY/AGENT INFORMATION:  
37 (A) NAME: FERRARO, GREGORY D.  
38 (B) REGISTRATION NUMBER: 36,134  
39 (C) REFERENCE/DOCKET NUMBER: 325800-381  
40  
41 (ix) TELECOMMUNICATION INFORMATION:  
42 (A) TELEPHONE: 201-994-1700  
43 (B) TELEFAX: 201-994-1744  
44  
45 (2) INFORMATION FOR SEQ ID NO:1:  
46

**ENTERED**

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/469,637**

DATE: 02/06/96  
TIME: 10:51:38

**INPUT SET: S8513.raw**

47       (i) SEQUENCE CHARACTERISTICS:  
 48       (A) LENGTH: 1173 BASE PAIRS  
 49       (B) TYPE: NUCLEIC ACID  
 50       (C) STRANDEDNESS: SINGLE  
 51       (D) TOPOLOGY: LINEAR

52       (ii) MOLECULE TYPE: cDNA

54

55       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

56

57	ATGAACAAAGT	TGCTGTGCTG	CGCGCTCGTG	TTTCTGGACA	TCTCCATTAA	GTGGACCACC	60
58	CAGGAAACGT	TTCCTCCAAA	GTACCTTCAT	TATGACGAAG	AAACCTCTCA	TCAGCTGTTG	120
59	TGTGACAAAT	GTCCTCCTGG	TACCTACCTA	AAACAACACT	GTACAGCAA	GTGGAAGACC	180
60	GTGTGCGCCC	CTTGCCCTGA	CCACTACTAC	ACAGACAGCT	GGCACACCAG	TGACGAGTGT	240
61	CTATACTGCA	GCCCCGTGTG	CAAGGAGCTG	CAGTACGTCA	AGCAGGAGTG	CAATCGCACC	300
62	CACAACCGCG	TGTGCGAATG	CAAGGAAGGG	CGCTACCTTG	AGATAGAGTT	CTGCTTGAAA	360
63	CATAGGAGCT	GCCCTCCTGG	ATTTGGAGTG	GTGCAAGCTG	GAACCCCAGA	GCGAAATACA	420
64	GTGGCAAAA	GATGTCCAGA	TGGGTTCTTC	TCAAATGAGA	CGTCATCTAA	AGCACCCGT	480
65	AGAAAAACACA	CAAATTGCAG	TGTCTTTGGT	CTCCTGCTAA	CTCAGAAAGG	AAATGCAACA	540
66	CACGACAACA	TATGTTCCGG	AAACAGTCAA	TCAACTCAA	AATGTGGAAT	AGATGTTACC	600
67	CTGTGTGAGG	AGGCATTCTT	CAGGTTTGCT	GTTCTACAA	AGTTTACGCC	TAACTGGCTT	660
68	AGTGTCTTGG	TAGACAATT	GCCTGGCACC	AAAGTAAACG	CAGAGAGTGT	AGAGAGGATA	720
69	AAACGGCAAC	ACAGCTCACA	AGAACAGACT	TTCCAGCTGC	TGAAGTTATG	GAAACATCAA	780
70	AACAAAGACC	AAGATATAGT	CAAGAAGATC	ATCCAAGATA	TTGACCTCTG	TGAAAACAGC	840
71	GTGCAGCGGC	ACATTGGACA	TGCTAACCTC	ACCTTCGAGC	AGCTTCGTAG	CTTGATGGAA	900
72	AGCTTACCGG	GAAAGAAAGT	GGGAGCAGAA	GACATTGAAA	AAACAATAAA	GGCATGCAA	960
73	CCCAGTGACC	AGATCCTGAA	GCTGCTCAGT	TTGTGGCGAA	AAAAAAATGG	CGACCAAGAC	1020
74	ACCTTGAAGG	GCCTAATGCA	CGCACTAAAG	CACTCAAAGA	CGTACCACTT	TCCCACAAAC	1080
75	TGTCACTCAG	AGTCTAAAGA	AGACCATCAG	GTTCCCTCAC	AGCTTCACAA	TGTACAAATT	1140
76	GTATCAGAAG	TTATTTTAG	AAATGATAGG	TAA			1173

77

78       (2) INFORMATION FOR SEQ ID NO:2:

79       (i) SEQUENCE CHARACTERISTICS:

80       (A) LENGTH: 390 AMINO ACIDS

81       (B) TYPE: AMINO ACID

82       (C) STRANDEDNESS:

83       (D) TOPOLOGY: LINEAR

84

85       (ii) MOLECULE TYPE: PROTEIN

86

87       (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

88

89	Met	Asn	Lys	Leu	Leu	Cys	Cys	Ala	Leu	Val	Phe	Leu	Asp	Ile	Ser	
90	-20					-15						-10				
91	Ile		Lys	Trp	Thr	Thr	Gln	Glu	Thr	Phe	Pro	Pro	Lys	Tyr	Leu	His
92	-5						1					5				
93	Tyr	Asp	Glu	Glu	Thr	Ser	His	Gln	Leu	Leu	Cys	Asp	Lys	Cys	Pro	
94	10					15					20					
95	Pro	Gly	Thr	Tyr	Leu	Lys	Gln	His	Cys	Thr	Ala	Lys	Trp	Lys	Thr	
96	25					30					35					
97	Val	Cys	Ala	Pro	Cys	Pro	Asp	His	Tyr	Tyr	Thr	Asp	Ser	Trp	His	
98	40					45					50					
99	Thr	Ser	Asp	Glu	Cys	Leu	Tyr	Cys	Ser	Pro	Val	Cys	Lys	Glu	Leu	

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/469,637**DATE: 02/06/96  
TIME: 10:51:43**INPUT SET: S8513.raw**

100 55 60 65  
101 Gln Tyr Val Lys Gln Glu Cys Asn Arg Thr His Asn Arg Val Cys  
102 70 75 80  
103 Glu Cys Lys Glu Gly Arg Tyr Leu Glu Ile Glu Phe Cys Leu Lys  
104 85 90 95  
105 His Arg Ser Cys Pro Pro Gly Phe Gly Val Val Gln Ala Gly Thr  
106 100 105 110  
107 Pro Glu Arg Asn Thr Val Cys Lys Arg Cys Pro Asp Gly Phe Phe  
108 115 120 125  
109 Ser Asn Glu Thr Ser Ser Lys Ala Pro Cys Arg Lys His Thr Asn  
110 130 135 140  
111 Cys Ser Val Phe Gly Leu Leu Thr Gln Lys Gly Asn Ala Thr  
112 145 150 155  
113 His Asp Asn Ile Cys Ser Gly Asn Ser Glu Ser Thr Gln Lys Cys  
114 160 165 170  
115 Gly Ile Asp Val Thr Leu Cys Glu Ala Phe Phe Arg Phe Ala  
116 175 180 185  
117 Val Pro Thr Lys Phe Thr Pro Asn Trp Leu Ser Val Leu Val Asp  
118 190 195 200  
119 Asn Leu Pro Gly Thr Lys Val Asn Ala Glu Ser Val Glu Arg Ile  
120 205 210 215  
121 Lys Arg Gln His Ser Ser Gln Glu Gln Thr Phe Gln Leu Leu Lys  
122 220 225 230  
123 Leu Trp Lys His Gln Asn Lys Asp Gln Asp Ile Val Lys Lys Ile  
124 235 240 245  
125 Ile Gln Asp Ile Asp Leu Cys Glu Asn Ser Val Gln Arg His Ile  
126 250 255 260  
127 Gly His Ala Asn Leu Thr Phe Glu Gln Leu Arg Ser Leu Met Glu  
128 265 270 275  
129 Ser Leu Pro Gly Lys Lys Val Gly Ala Glu Asp Ile Glu Lys Thr  
130 280 285 290  
131 Ile Lys Ala Cys Lys Pro Ser Asp Gln Ile Leu Lys Leu Leu Ser  
132 295 300 305  
133 Leu Trp Arg Ile Lys Asn Gly Asp Gln Asp Thr Leu Lys Gly Leu  
134 310 315 320  
135 Met His Ala Leu Lys His Ser Lys Thr Tyr His Phe Pro Thr Asn  
136 325 330 335  
137 Cys His Ser Glu Ser Lys Glu Asp His Gln Val Pro Ser Gln Leu  
138 340 345 350  
139 His Asn Val Gln Ile Val Ser Glu Val Ile Phe Arg Asn Asp Arg  
140 355 360 365  
141  
142 (2) INFORMATION FOR SEQ ID NO:3:  
143  
144 (i) SEQUENCE CHARACTERISTICS:  
145 (A) LENGTH: 33 BASE PAIRS  
146 (B) TYPE: NUCLEIC ACID  
147 (C) STRANDEDNESS: SINGLE  
148 (D) TOPOLOGY: LINEAR  
149  
150 (ii) MOLECULE TYPE: Oligonucleotide  
151  
152 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/469,637**

DATE: 02/06/96  
TIME: 10:51:48

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153  
154     GCCAGAGGAT CCGAACGTT TCCTCCAAAG TAC  
155  
156     (2) INFORMATION FOR SEQ ID NO:4:  
157  
158         (i) SEQUENCE CHARACTERISTICS:  
159         (A) LENGTH: 33 BASE PAIRS  
160         (B) TYPE: NUCLEIC ACID  
161         (C) STRANDEDNESS: SINGLE  
162         (D) TOPOLOGY: LINEAR  
163  
164         (ii) MOLECULE TYPE: Oligonucleotide  
165  
166         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
167  
168     CGGCTTCTAG AATTACCTAT CATTCTAAA AAT  
169  
170     (2) INFORMATION FOR SEQ ID NO:5:  
171  
172         (i) SEQUENCE CHARACTERISTICS:  
173         (A) LENGTH: 31 BASE PAIRS  
174         (B) TYPE: NUCLEIC ACID  
175         (C) STRANDEDNESS: SINGLE  
176         (D) TOPOLOGY: LINEAR  
177  
178         (ii) MOLECULE TYPE: Oligonucleotide  
179  
180         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
181  
182     GCGCGGATCC ATGAAACAAGT TGCTGTGCTG C  
183  
184     (2) INFORMATION FOR SEQ ID NO:6:  
185  
186         (i) SEQUENCE CHARACTERISTICS:  
187         (A) LENGTH: 34 BASE PAIRS  
188         (B) TYPE: NUCLEIC ACID  
189         (C) STRANDEDNESS: SINGLE  
190         (D) TOPOLOGY: LINEAR  
191  
192         (ii) MOLECULE TYPE: Oligonucleotide  
193  
194         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
195  
196     GCGCTCTAGA TTACCTATCA TTTCTAAAAA TAAC  
197  
198     (2) INFORMATION FOR SEQ ID NO:7:  
199  
200         (i) SEQUENCE CHARACTERISTICS:  
201         (A) LENGTH: 31 BASE PAIRS  
202         (B) TYPE: NUCLEIC ACID  
203         (C) STRANDEDNESS: SINGLE  
204         (D) TOPOLOGY: LINEAR  
205

**RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/469,637**DATE: 02/06/96  
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206 (ii) MOLECULE TYPE: Oligonucleotide  
207  
208 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
209  
210 GCGCGGTACC TCAGTGGTTT GGGCTCCTCC C 31  
211  
212 (2) INFORMATION FOR SEQ ID NO:8:  
213  
214 (i) SEQUENCE CHARACTERISTICS:  
215 (A) LENGTH: 39 BASE PAIRS  
216 (B) TYPE: NUCLEIC ACID  
217 (C) STRANDEDNESS: SINGLE  
218 (D) TOPOLOGY: LINEAR  
219  
220 (ii) MOLECULE TYPE: Oligonucleotide  
221  
222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
223  
224 GCCAGAGGAT CCGCCACCAT GAACAAGTTG CTGTGCTGC 39  
225  
226 (2) INFORMATION FOR SEQ ID NO:9:  
227  
228 (i) SEQUENCE CHARACTERISTICS:  
229 (A) LENGTH: 60 BASE PAIRS  
230 (B) TYPE: NUCLEIC ACID  
231 (C) STRANDEDNESS: SINGLE  
232 (D) TOPOLOGY: LINEAR  
233  
234 (ii) MOLECULE TYPE: Oligonucleotide  
235  
236 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:  
237  
238 CGGCTTCTAG AATCAAGCGT AGTCTGGGAC GTCGTATGGG TACCTATCAT TTCTAAAAAT 60

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**SEQUENCE VERIFICATION REPORT  
PATENT APPLICATION US/08/469,637**

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***INPUT SET: S8513.raw***

Line

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Original Text